

## ESPS Peer-review Report

**Name of Journal:** World Journal of Gastroenterology

**Ms:** 3287

**Title:** Isolation and biochemical analysis of vesicles from taurodehydrocholic acid infused isolated perfused rat livers.

**Reviewer code:** 00070225

**Science editor:** s.x.gou@wjgnet.com

**Date sent for review:** 2013-04-21 18:30

**Date reviewed:** 2013-04-24 03:10

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS

### COMMENTS TO AUTHORS:

A. Although the purpose biochemical of this paper certain, is not clear what the results may serve. Emphasis should be placed to the expected scientific benefit. For this reason, the following aspects must be taken into consideration. a1 The possible effects that you may provide in vivo effects should be emphasized with the results obtained in this study a2 In which situations the clinical area- might also be addressed in the ability to use - should take into little more than. a3 To be effective in the treatment of diseases may play a role on which deteriorated the process and mechanism by which should be clearly stated. B) Technical details of the method used in the Abstract section is located at great length. Than the brief description may be sufficient (These details are already in the Material and Method section) C) Some acronyms (ABCG8, ABCG5, HPLC, TLC ) to take place as described at least one in article may be appropriate.

## ESPS Peer-review Report

**Name of Journal:** World Journal of Gastroenterology

**Ms:** 3287

**Title:** Isolation and biochemical analysis of vesicles from taurodehydrocholic acid infused isolated perfused rat livers.

**Reviewer code:** 00503608

**Science editor:** s.x.gou@wjgnet.com

**Date sent for review:** 2013-04-21 18:30

**Date reviewed:** 2013-05-15 09:42

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS

### COMMENTS TO AUTHORS:

1. There is no background or introduction in the abstract. I would recommend editing out some of the methods and results and including a section on background or introduction so that someone who comes across the abstract can better understand why the study was done. 2. The results of the study are essentially negative except that increased PDE activity was identified in the total subcellular fraction, the P3II fraction, and numerous microsomal/vesicular fractions of TDHC perfused livers. The authors conclude that further investigations should be performed. What is the implication of the findings and how can this knowledge be used to better understand or treat human diseases? There are some very broad references to cardiovascular disease and gallstones, but the comments should be more specific. 3. Other than to better characterize the nature of hepatic lipid biology, it is unclear to me why it is important to measure the lipid constituents of hepatic vesicles, and furthermore why TDHC portal vein infusion is important to the study. Why did the authors not measure the protein, lipid, and PDE concentrations/activities in the bile as well to see if there was some sort of correlation? 4. The aims of the study in the Introduction section are incomplete. Please comment on the role of TDHC in the study.